

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals      | Time Stamp                               |
|-------|------|---|--|------------------|--------------|--|
| L2    | 30   | and syringe<br><br>(US-20050101912-\$ or<br>US-20030181863-\$ or<br>US-20020193736-\$ or<br>US-20030144633-\$ or<br>US-20050113753-\$ or<br>US-20030050602-\$ or<br>US-20020099356-\$).did. or<br>(US-6579245-\$ or US-3930499-\$ or<br>US-6200291-\$ or US-6623457-\$ or<br>US-3739779-\$ or US-6764468-\$ or<br>US-6896666-\$ or US-7014615-\$ or<br>US-6332875-\$ or US-5199473-\$ or<br>US-4409991-\$ or US-5286453-\$ or<br>US-3884229-\$ or US-6537242-\$ or<br>US-6293925-\$ or US-3605744-\$ or<br>US-5658259-\$ or US-5147311-\$ or<br>US-3659587-\$ or US-5626567-\$ or<br>US-4507113-\$ or US-3977403-\$ or<br>US-4418703-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR<br><br>US-PGPUB;<br>USPAT | OR<br><br>OR     | ON<br><br>ON | 2006/06/10 14:55<br><br>2006/06/20 13:25 |
| L3    | 8    | 2 and gauge   | US-PGPUB;<br>USPAT;<br>USOCR                           | OR               | ON           | 2006/06/20 13:26                         |
| S1    | 390  | (ronald with pettis).in. (frank with martin).in. (scott with kaestner).in.  | US-PGPUB;<br>USPAT;<br>USOCR                           | OR               | ON           | 2006/06/01 10:51                         |
| S2    | 1    | (ronald with pettis).in. and (frank with martin).in. and (scott with kaestner).in.  | US-PGPUB;<br>USPAT;<br>USOCR                           | OR               | ON           | 2006/06/01 11:01                         |
| S3    | 1    | "5199473".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                           | OR               | ON           | 2006/06/01 10:59                         |
| S4    | 1    | "4409991".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                           | OR               | ON           | 2006/06/01 10:59                         |
| S5    | 9    | ("3964482" "4409991" "5199473" "5279544" "5820622" "5951530" "6190367" "6312612" "6379324").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                           | OR               | ON           | 2006/06/01 11:16                         |
| S6    | 1    | "20020198509".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                           | OR               | ON           | 2006/06/01 11:03                         |
| S7    | 1    | "20020193778".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                           | OR               | ON           | 2006/06/01 11:03                         |

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|     |     |  |                              |      |    |                  |
|-----|-----|--|------------------------------|------|----|------------------|
| S8  | 6   | "20020193740".pn. "20020156453".pn. "20020068909".pn. "20010056263".pn. "20020045858".pn. "20020038111".pn.                          | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:04 |
| S9  | 6   | microneedle same pen same delivery   | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:16 |
| S10 | 0   | ("2003/0181863").URPN.   | USPAT                        | OR   | ON | 2006/06/01 11:20 |
| S11 | 251 | (donal with ackley).in. (shawn with davis).in. (thomas with jackson).in.   | USPAT                        | OR   | ON | 2006/06/01 11:20 |
| S12 | 409 | (donal with ackley).in. (shawn with davis).in. (thomas with jackson).in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:20 |
| S13 | 482 | (donald with ackley).in. (shawn with davis).in. (thomas with jackson).in.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:20 |
| S14 | 35  | S13 and (needle or cannula or pierc\$5)  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:20 |
| S15 | 1   | "6623457".pn.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:27 |
| S16 | 1   | "5195526".pn.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:27 |
| S17 | 1   | "20010053887".pn.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:28 |
| S18 | 64  | 604/205.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 15:44 |
| S19 | 45  | ("3171446"   "3420107"   "3592245"   "3873271"   "4300404"   "4671330"   "4786471"   "4927605"   "5037549").PN. OR ("5286453").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 11:32 |
| S20 | 365 | 604/201.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 14:43 |
| S21 | 364 | 604/117.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 14:44 |
| S22 | 1   | limit\$3 tension\$4 microneedle  | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2006/06/01 15:33 |

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|     |     |  |                              |      |    |                  |
|-----|-----|--|------------------------------|------|----|------------------|
| S23 | 142 | limit\$3 tension\$4 microneedle  | US-PGPUB;<br>USPAT;<br>USOCR | AND  | ON | 2006/06/01 15:42 |
| S24 | 4   | pen delivery microneedle   | US-PGPUB;<br>USPAT;<br>USOCR | WITH | ON | 2006/06/01 15:42 |
| S25 | 474 | 604/118.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 15:44 |
| S26 | 41  | pen drug delivery reservoir  | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2006/06/01 16:54 |
| S27 | 32  | ("20020040208"   "20020072733"  <br>"3727614"   "4419096"   "4753651"<br>  "4886499"   "5226896"  <br>"5441490"   "5656032"   "5658259"<br>  "5693018"   "5713866"  <br>"5848990"   "5858001"   "5868721"<br>  "5906592"   "5921962"  <br>"5931814"   "5957891"   "6048337"<br>  "6086562"   "6102896"  <br>"6126637"   "6186982"   "6210369"<br>  "6251065"   "6254580"  <br>"6258062"   "6331172"   "6364865"<br>  "RE35986").PN. OR ("6896666").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 17:16 |
| S28 | 2   | septum hub microneedle (cartridge<br>or reservoir)   | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2006/06/01 17:17 |
| S29 | 2   | septum hub microneedle   | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2006/06/01 17:17 |
| S30 | 43  | hub microneedle  | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2006/06/01 17:17 |
| S31 | 44  | ("2661740"   "2688965"   "2871857"<br>  "3366103"   "3469581"  <br>"3659587"   "3712301"  <br>"3768474").PN. OR ("3884229").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 17:23 |
| S32 | 31  | ("1541615"   "3372697"   "3605744"<br>  "3631847"   "3701345"  <br>"3858581"   "3884229"   "4132231"<br>  "4150672"   "4437859"  <br>"4626244"   "4681566"   "4734092"<br>  "4758226"   "4781683"  <br>"4871351").PN. OR ("5147311").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON | 2006/06/01 17:28 |

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|     |       |  |                              |    |    |                  |
|-----|-------|--|------------------------------|----|----|------------------|
| S33 | 60    | ("1180665"   "3494352"   "3585996").PN. OR ("3659587").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/01 17:31 |
| S34 | 6     | ("3659587"   "3848579"   "3874367"   "3989044").PN. OR ("5626567").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/01 17:33 |
| S35 | 5     | microneedle same gauge same (steel or silicon) same "31"                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/01 19:16 |
| S36 | 54    | microneedle same gauge same (steel or silicon)                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/01 19:18 |
| S37 | 120   | microneedle same gauge   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/01 19:18 |
| S38 | 66    | S37 not S36  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/01 19:18 |
| S39 | 2     | depth with limit\$3 with post with needle                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/09 16:08 |
| S40 | 511   | depth with limit\$3 with needle  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/09 16:08 |
| S41 | 0     | 128/Dig7.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/10 14:54 |
| S42 | 0     | 128/Dig6.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/10 14:54 |
| S43 | 0     | 128/dig6.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/10 14:54 |
| S44 | 161   | 128/dig.6.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/10 14:55 |
| S45 | 78212 | (injection with system)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/10 14:55 |
| S46 | 7647  | (fluid with injection with system)                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/10 14:55 |
| S47 | 1226  | S46 and syringe  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/10 14:55 |

## EAST Search History

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S48 | 73 | plunger same stopper same septum                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:40 |
| S49 | 0  | S48 same (noncompressible or non-compressible or non adj compressible) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:40 |
| S50 | 0  | S48 same (noncompressible or non-compressible or non adj compressible) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:41 |
| S51 | 0  | S48 same (noncompressible or non-compressible or non adj compressible) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:41 |
| S52 | 17 | S48 same plastic   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:42 |
| S53 | 0  | S48 same rigid   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:41 |
| S54 | 40 | noncompressable  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:42 |
| S55 | 80 | non-compressable   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:42 |
| S56 | 1  | non-compressable with plunger  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/06/20 11:42 |